92-06966/

TECHNICAL NOTE No. 269

ISSN 0820-807

HIGHLIGHTS OF FOREST PEST CONDITIONS IN THE MARITIMES AT THE END OF JUNE 1992

Forest pest conditions in the Maritimes, as they appear at the end of June 1992, are summarized here in our second report of the year.

Aerial surveys for **forest tent caterpillar** defoliation have mapped approximately 77,500 ha of moderately and severely defoliated trembling aspen in York, Sunbury, Queens, Kent, and Westmorland counties, New Brunswick. In Nova Scotia, a small population caused trace and light defoliation north of Heatherton, Antigonish Co. and a severely defoliated oak tree was found in Truro, Colchester Co. Pupation is well under way and some moths should be flying by this publication date. FIDS and our cooperators, the provincial Pest Detection Officers, have distributed 250 pheromone traps for monitoring purposes throughout the region.

Gypsy moth have been found at a few additional locations: St. Stephen, Charlotte Co., N.B.; Peter's Point, Kejimkujik National Park, Queens Co., and Annapolis Royal, Annapolis Co., N.S. No defoliation was found at any of these locations.

Aspen leafroller damage, reported in our previous highlights, has been found at several other locations in Madawaska, Victoria, Carleton, and York counties, N.B. Damage is more common in Victoria Co., but there are many areas, particularly aspen-regenerated cutovers in all four counties, where damage from leafrolling is so severe that the trees appear to have suffered complete defoliation. Several hundred meters of roadside trembling aspen suffered moderate and severe damage north of Heatherton, Antigonish Co. and at two other locations in Pictou Co., N.S.

Forestry Canada - Maritimes Region

P.O. Box 4000, Fredericton, N.B. E3B 5P7 - P.O. Box 667, Truro, N.S. B2N 5E5 - P.O. Box190, Charlottetown, P.E.I C1A 7K2

Cette publication est aussi disponible en français sur demande

Forestry Canada Forêts Canada

Canada

Spruce budworm aerial defoliation surveys will soon be underway in all three provinces. Expectations are that areas with significant defoliation will largely be in the north and north-central areas of N.B. No defoliation is expected to be found in aerial surveys for N.S. Ground surveys have found spruce budworm damage at all damage levels, primarily on white spruce, in southern Kings and southeastern Queens counties, P.E.I. Overall damage is moderate and similar to last year; however, the area affected may be slightly larger.

Hemlock looper larvae, although a bit behind in development, have been found at a few sample locations including a few of the areas where previous defoliation had been found in N.B. and N.S. Noticeable defoliation nas not yet been found.

Stillwell's syndrome, the sudden death of balsam fir trees, is common in western Restigouche, southern Madawaska, and northern Northumberland counties, N.B. Affected trees have been found across N.S. and the condition appears to be more common in P.E.I.

Spruce bark beetle continues to attack trees at areas found affected last year in N.S. Near Tiverton and Mink Cove, Digby Co., beetles have killed 20 and 10%, respectively, of several hectares of white spruce and 2-3 ha at each of two locations in Pictou Co. A half dozen dying trees were found near St. Anns, Victoria Co.

Birch casebearer is very common throughout the southern two-thirds of N.B. Severe leaf-browning was found at six locations in Carleton, York, Charlotte, and Northumberland counties. Population levels are generally similar to 1991 in N.S., however, there was one exception at Cap Rouge, Inverness Co., where it was far more common than last year.

Other forest pest conditions of note: **satin moth** has moderately and severely defoliated silver poplar in south-central N.B. and throughout P.E.I.; **fall cankerworm** severely defoliated Manitoba maple at Petit-Rocher and Bathurst, Gloucester Co., N.B.; **uglynest caterpillar** nests are very common at some locations in Northumberland, Kent, York, Sunbury, and Charlotte counties, N.B.; **Bruce's spanworm** has defoliated a wide variety of tree species at light and moderate levels at Yarmouth, Yarmouth Co., N.S.; **winter moth**, mostly on apple, has defoliated at all levels and is more prevalent than last year throughout P.E.I.; **spruce twig aphid** has caused light and moderate damage to white spruce shoots at several locations in western and northern N.S.; **Scleroderris canker** caused branch mortality on the bottom half of 2-m tall jack pine near Mount Elizabeth, Northumberland Co., N.B.; **maple leafroller** has affected 2- to 10-ha patches of red maple at light and moderate levels in Kings Co., P.E.I.

J.E. Hurley
L.P. Magasi
Forest Insect and Disease Survey

July 7, 1992